

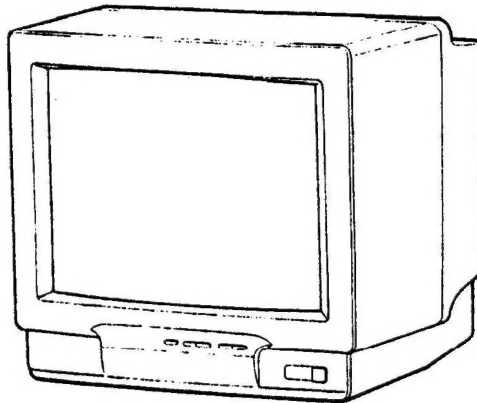
KV-1415AS

RM-827B

SERVICE MANUAL

Australian Model

Chassis No. SCC-F35A-A



G3E CHASSIS

MODELS OF THE SAME SERIES

KV-1415AS	
KV-1415GE	

SPECIFICATIONS

Power requirements	110-240 V AC, 50/60 Hz		
Power consumption	Indicated on the rear of the TV		
Color system	PAL, PAL60, NTSC ^{4.43} ,		
Television system	B/G		
Channel coverage	Low VHF band	0-5, 5A	1-3
	High VHF band	6-11	4-10
	UHF	28-69	
	CATV	S01-S03, S1-S20	
	Audio output	3 W	
Inputs	Antenna: 75 ohms		
Output	Earphone jack: mini jack		
Picture tube	Approx. 37 cm (14 inches)		
Dimensions	Approx. 384 × 344 × 405 mm (w/h/d)		
Weight	Approx. 11 kg		

Design and specifications are subject to change without notice.



TRINITRON® COLOR TV

SONY®

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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

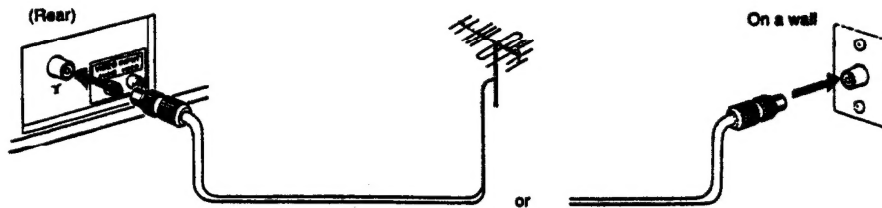
SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

1-1. ANTENNA CONNECTION

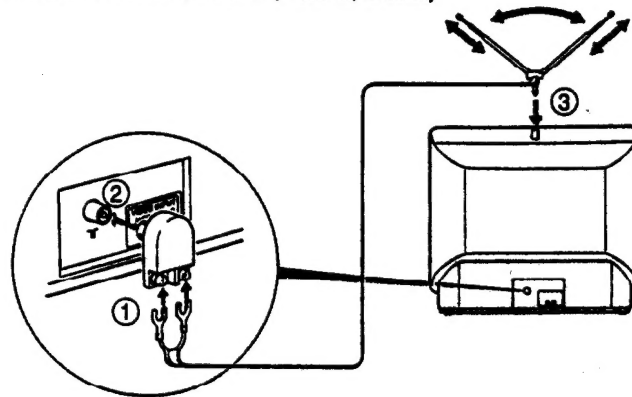
**To connect a VHF antenna or a combination VHF/UHF antenna—
75-ohm Coaxial Cable (Round)**

Plug the connector into the T socket of the TV.



To connect the indoor antenna

(Except for KV-1485GET, 1685GET, 1985GET, 2185GET, 1985AS, 2185AS)

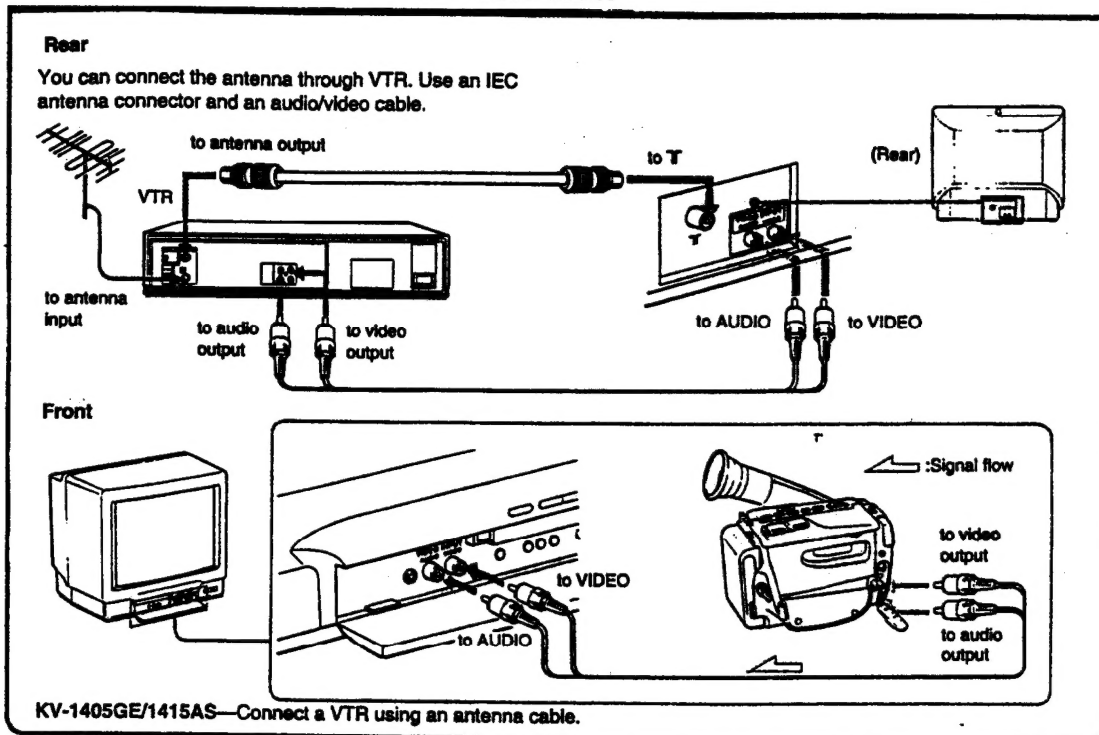


We recommend using an outdoor antenna for better reception.

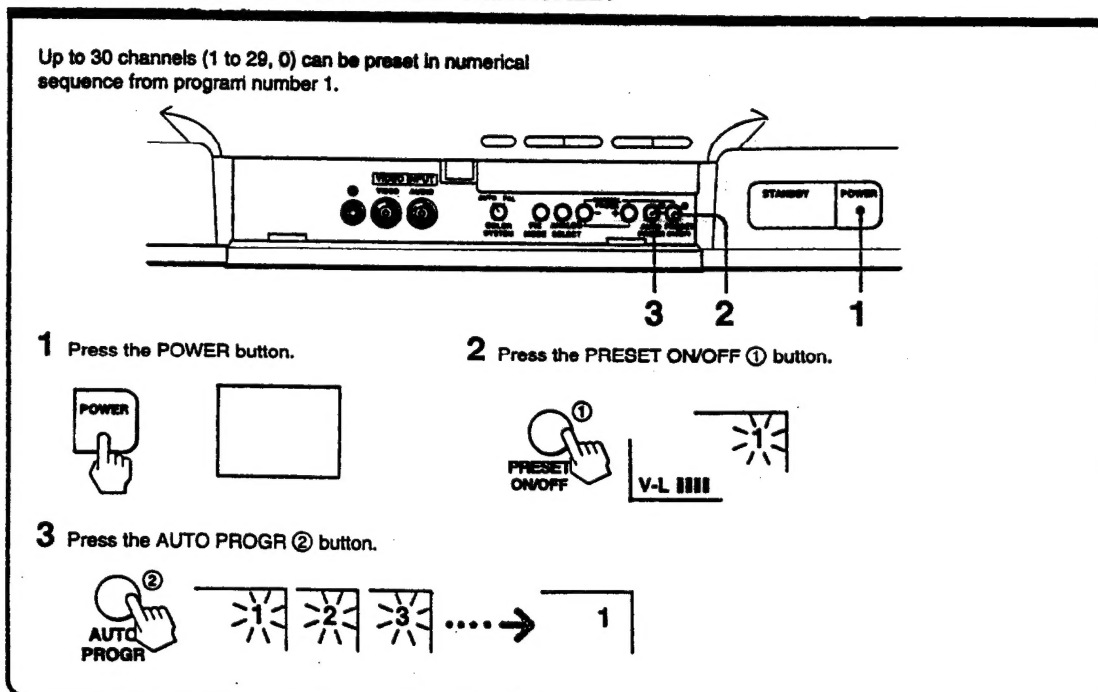
For KV-1405GE or KV-1415AS

KV-1405GE KV-1415AS	These models do not have audio/video jacks. Use an antenna cable to connect a VTR. (Page 3)
KV-1405GE	This model is not supplied with a Remote Commander. Use the buttons on the TV for operation. (Pages 4, 5, 6)

1-2. CONNECTING VTR OR OTHER EQUIPMENT

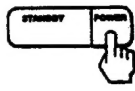


1-3. PRESET THE CHANNELS AUTOMATICALLY



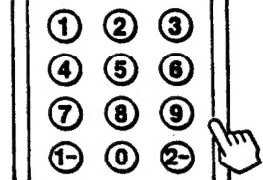
1-4. WATCHING THE TV


To switch on or off the TV







The power of the TV is turned on, or off completely.

To select a channel




To select 8, 


To select 10,  

To select 25,  

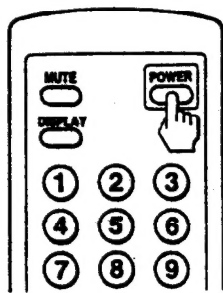
or




To adjust the volume



To set the TV to standby mode



To turn on the TV, press again.

For personal listening, an earphone can be connected to the  jack.

You can operate on the TV using the buttons of the same name.

KV-1405GE—Use the PROGR +/- and VOLUME +/- buttons on the TV.
Standby mode is not available.

1-5. WATCHING THE VIDEO INPUT

1 Press the TV/VIDEO button.

2 Set the VTR to playback mode.

To return to TV mode
Press the TV/VIDEO button.

Note
Do not use the VTRs connected to the front and rear A/V connectors simultaneously. When you use a VTR, turn off or disconnect another VTR.

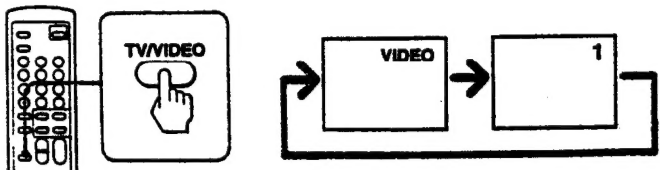
KV-1405GE/1415AS

Presetting to watch the video input

1 Play back the VTR.

2 Preset a channel in program number "0" (see "Manual Presetting" on page 6).

Watching the video input
Select channel "0".

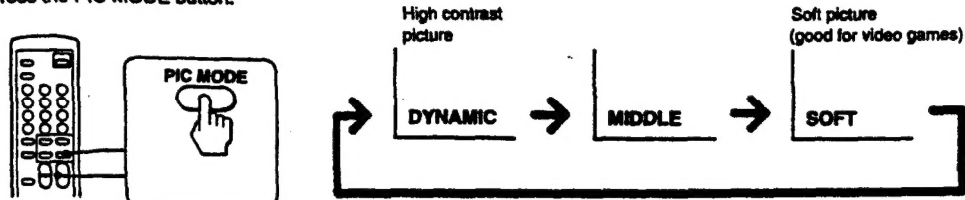


The block diagram shows a 'VIDEO' box connected to a box labeled '1', which is then connected to the TV.

1-6. ADJUSTMENT

Selecting the Picture Mode

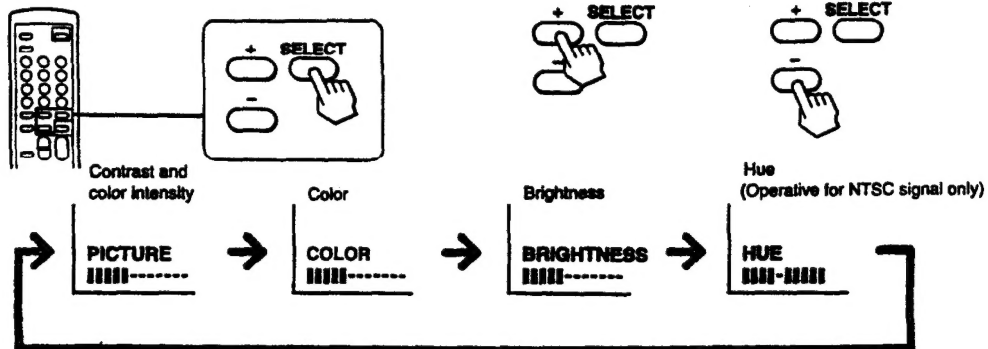
Press the PIC MODE button.



Adjusting the Picture to Your Preference

1 Select the adjustment item using the SELECT button on the Remote Commander (or ANALOG SELECT button on the TV).

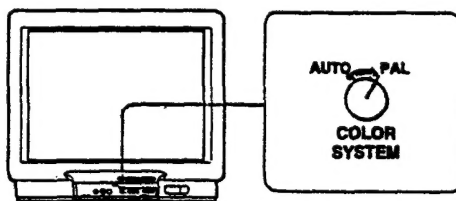
2 Adjust using the + and - buttons.



Note

If you change the PIC MODE setting after the above adjustments, the adjustment changes in accordance with the PIC MODE setting.

To set COLOR SYSTEM

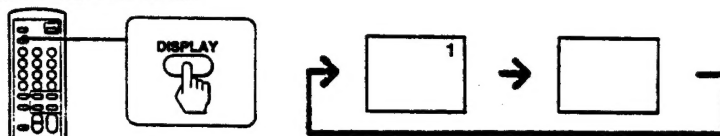


Normally set COLOR SYSTEM to AUTO

If the color reproduction is abnormal (for example, the picture turns red or blue) while receiving PAL and PAL 60 playback signal, set to PAL. The picture color will become normal.

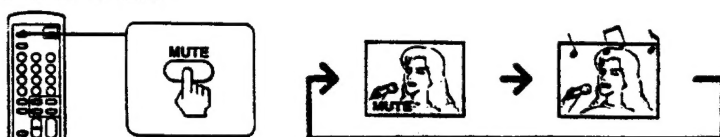
Turning On or Off the On-screen Display

Press the DISPLAY button.



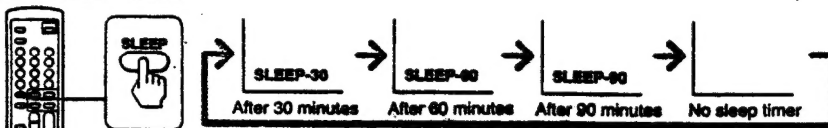
Muting (Except for KV-1405GE)

Press the MUTE button.



Setting the Sleep Timer (Except for KV-1405GE)

The TV will be turned off after about 30, 60, or 90 minutes.
Press the SLEEP button.



To cancel the sleep timer
Press the SLEEP button until the sleep indication disappears.

1-7. ADDITIONAL PRESETTING

Manual Presetting

To change the program number for a channel, or to receive a channel of weak signal, preset the channel manually.

Example: To preset a channel in program number 8

- 1 Press the PRESET ON/OFF button.
- 2 Press the PROGR +/- button until "8" appears.
- 3 Press the MANUAL PROGR +/- buttons until the channel you want appears.
- 4 Press the PRESET ON/OFF button.

To preset other channels, repeat steps 1 through 4.

Skipping Program Positions

You can skip the unused or undesired program position when you are selecting a program using the PROGR +/- buttons.

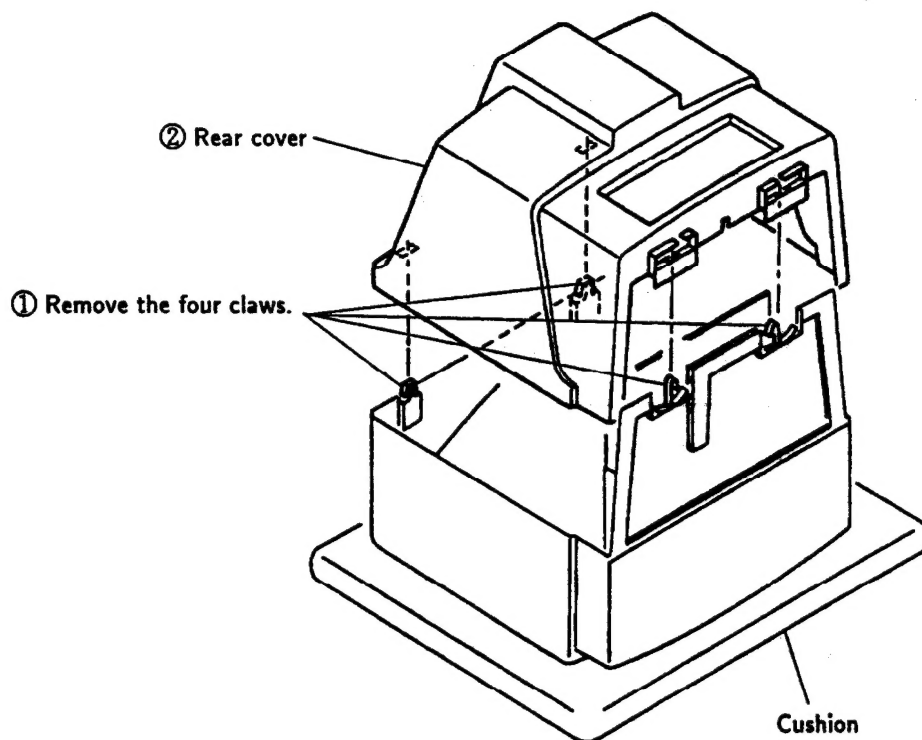
Example: To skip the program position 8

- 1 Press the PROGR +/- buttons until "8" appears.
- 2 Press the PRESET ON/OFF button.
- 3 Press the PIC MODE button.
Repeat steps 1 through 3 to skip other program position.
- 4 Press the PRESET ON/OFF button.

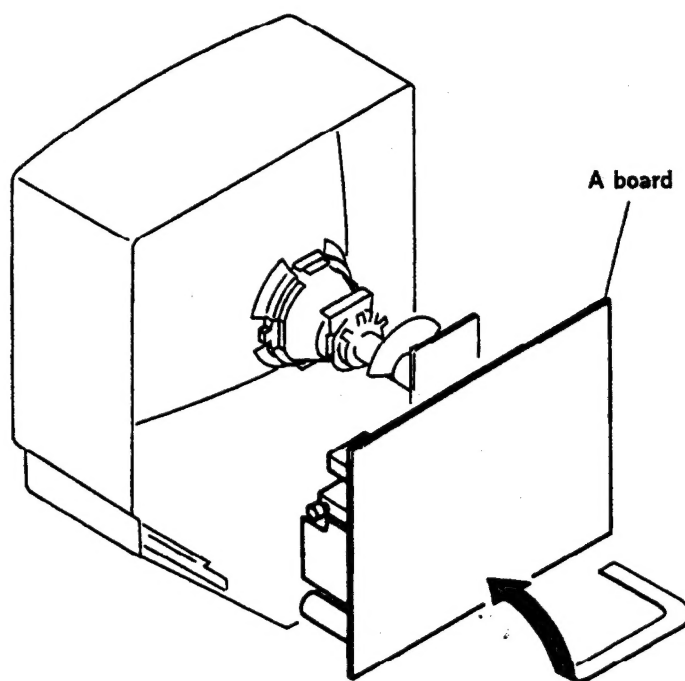
To restore the skipped program position
Preset the station manually as described in "Manual Presetting", or preset automatically again.

SECTION 2 DISASSEMBLY

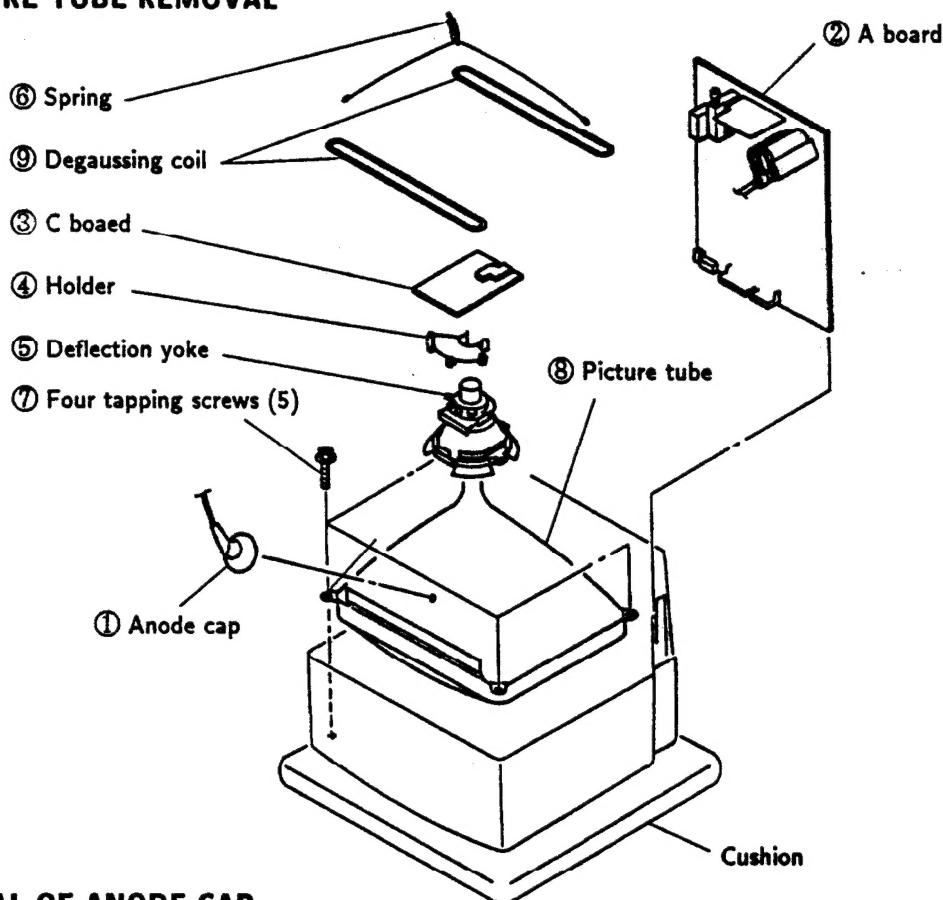
2-1. REAR COVER REMOVAL



2-2. SERVICE POSITION



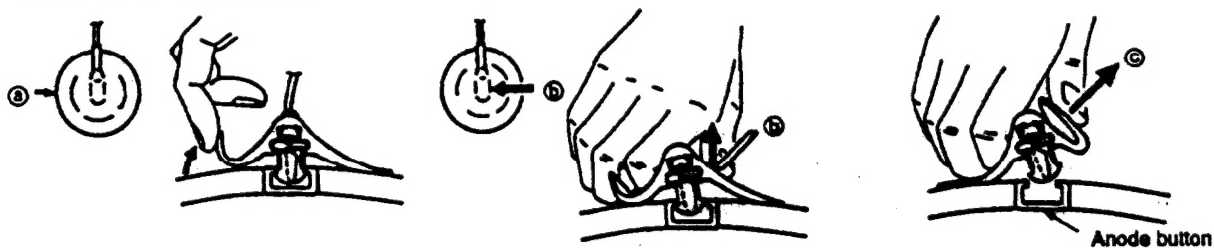
2-3. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVING PROCEDURES



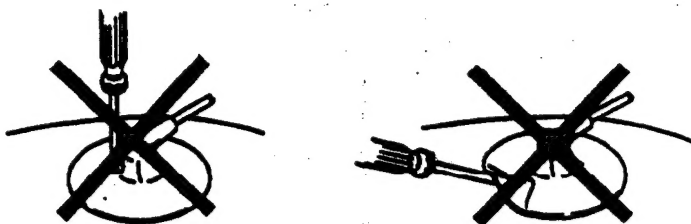
① Turn up one side of the rubber cap in the direction indicated by the arrow ②.

② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ③.

③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ④.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardy not to hurt inside of anode-caps!
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardy!
The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted :

PICTURE control..... normal
BRIGHTNESS control..... normal

Perform the adjustments in order as follows:

Preparation:

- Feed in the white pattern signal.
- Before starting, degauss the entire screen.

3-1. BEAM LANDING

1. Input a raster signal with the pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig.2
3. Turn the raster signal of the pattern generator to green.
4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are at the sides evenly. (Fig.3)
5. Move the deflection yoke forward, and adjust so that the entire screen becomes green. (Fig.1)
6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. When landing at the corner is not right, adjust by using the disk magnets. (Fig.4)

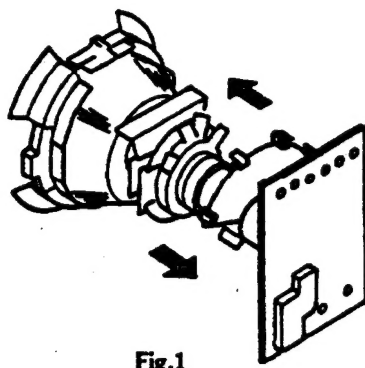


Fig.1

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G 2) and White Balance

Note: Test Equipment Required.

1. Color bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital multimeter

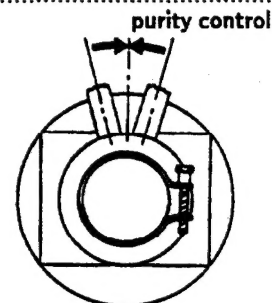


Fig.2

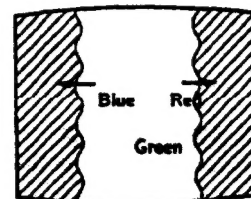


Fig.3

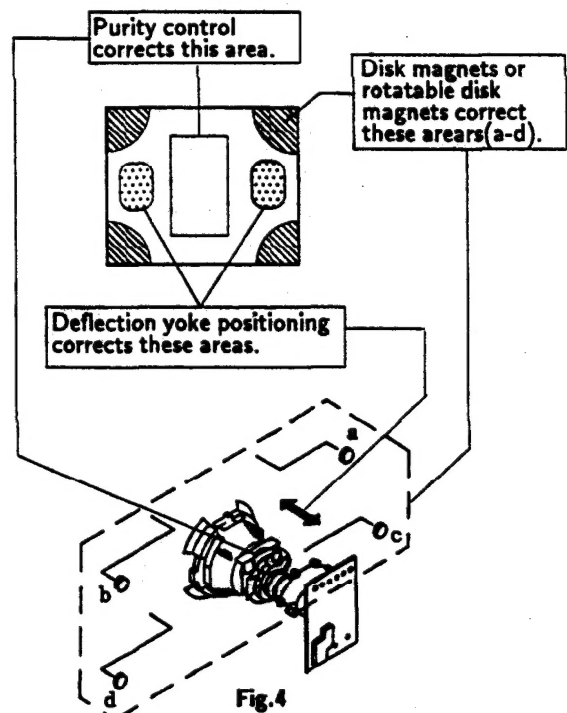


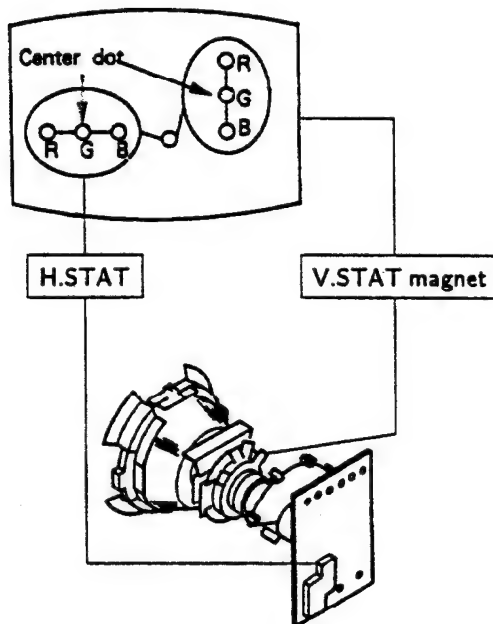
Fig.4

3-2. CONVERGENCE

Preparation:

- Before starting, perform FOCUS, H.SIZE, V.LIN and V.SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Feed in dot pattern.

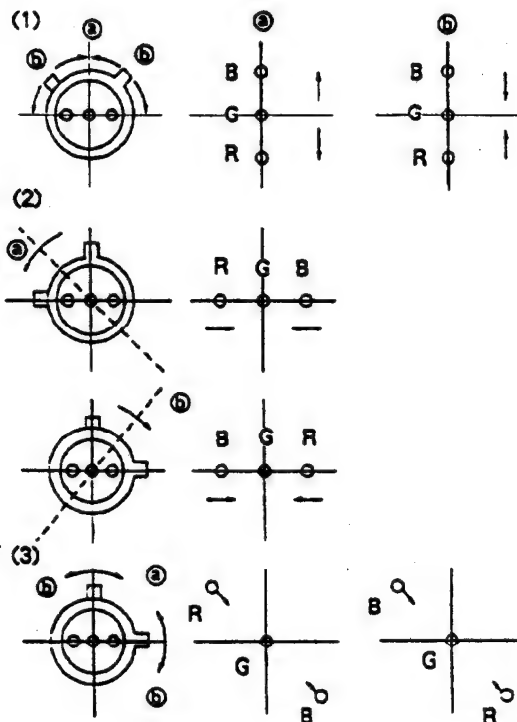
(1) Horizontal and Vertical Static Convergence



1. Adjust H.STAT VR to converge red, green and blue dots the in center of the screen.(Horizontal move-ment)
2. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen. (Vertical move-ment)
3. If the red, green and blue dots do not converge on the center of screen with H.STAT VR, perform horizon-tal convergence adjustment using H.STAT VR and V.STAT magnet as shown below. (In this case, H.STAT VR and V.STAT magnet effect each other.)
- Tilt the V.STAT magnet and adjust static conver- gence to open or close the V.STAT magnet.



4. When the V.STAT magnet is moved in the direction of arrow (a) and (b), red, green and blue dots move as shown below.

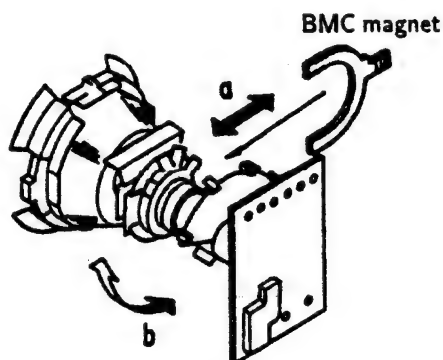


If the blue dot does not converge with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H.static convergence.

Rotate BMC magnet (b) to correct insufficient V.static convergence.

In either case, repeat Beam Landing Adjustment.



(2) Dynamic Convergence Adjustment

Preparation:

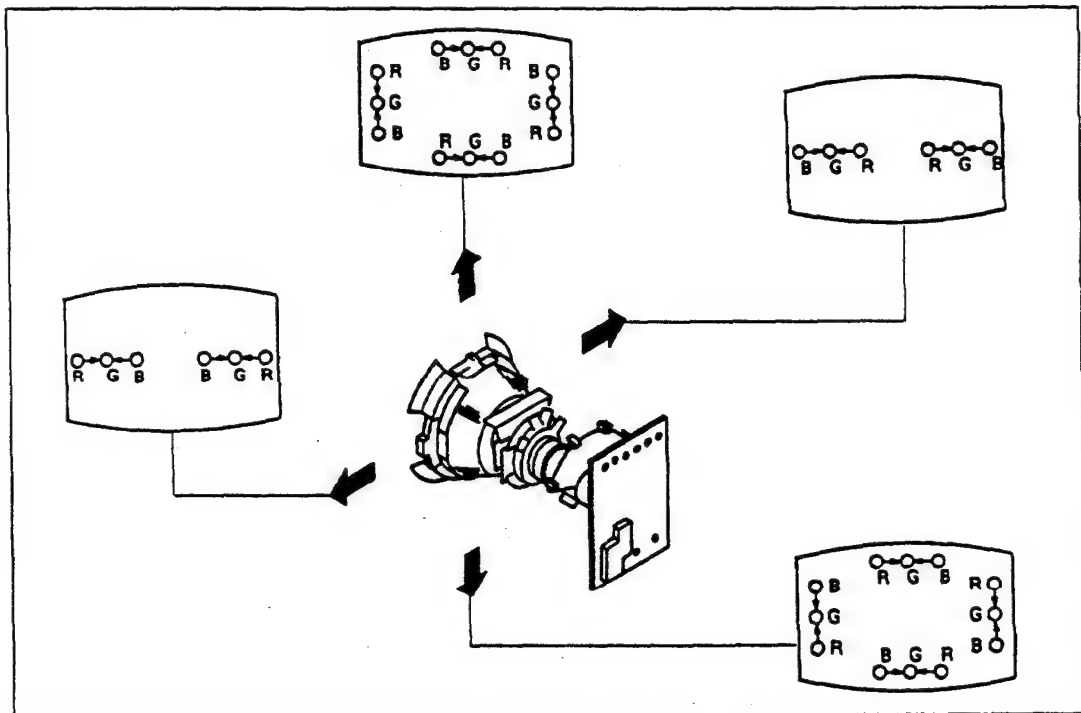
● Before starting perform Horizontal and Vertical static convergence Adjustment.

1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.

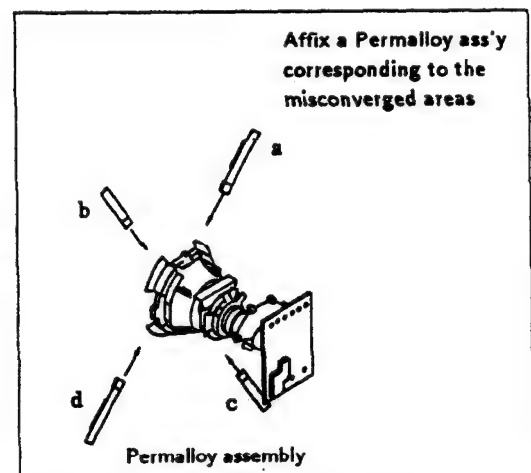
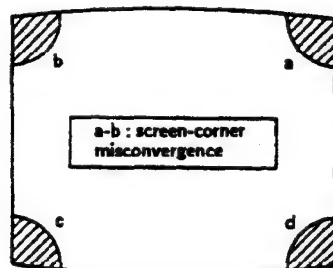
3. Move the deflection yoke for best convergence as shown below.

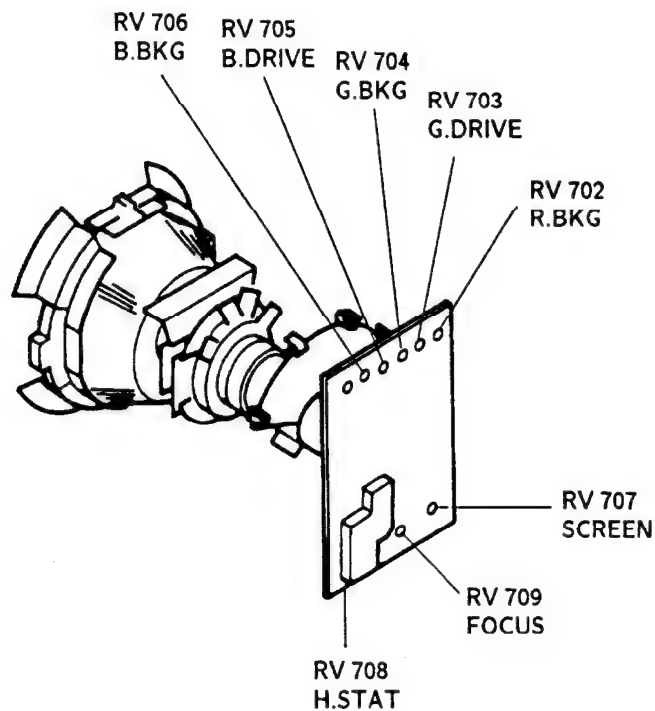
4. Tighten the deflection yoke screw.

5. Install the deflection yoke spacers.



(3) Screen-corner Convergence





3-3. FOCUS

Adjust FOCUS control for best picture.

3-4. SCREEN(G 2) and WHITE BALANCE [SCREEN(G2)]

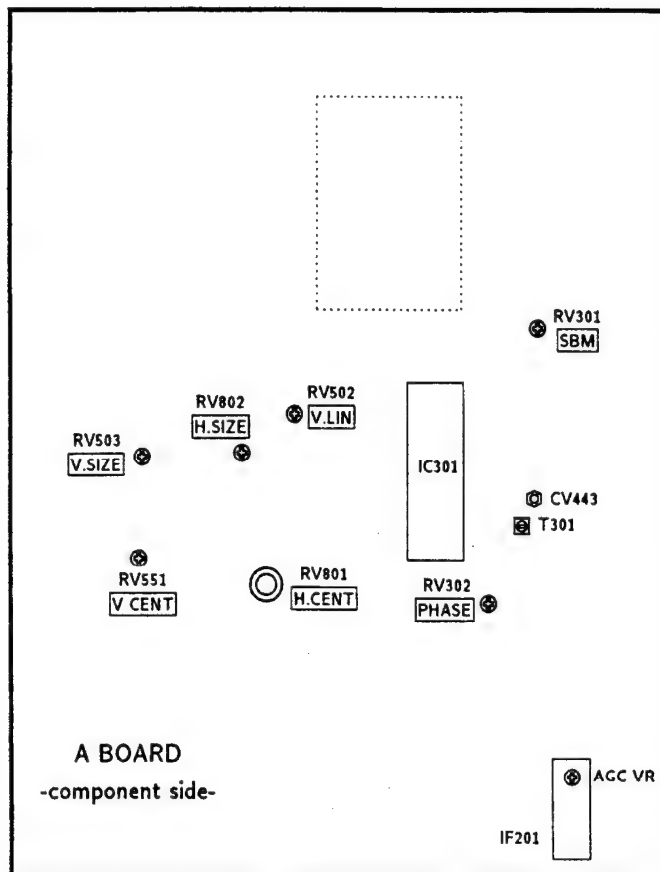
1. Input a dots pattern.
2. Set the PIC, BRT controls at minimum and COLOR control at 50%.
3. Confirm the BKG voltage is less than 160 Vdc when turning RV 706 (B.BKG), RV 704 (G.BKG) and RV 702 (R.BKG).
4. Note the color when becomes visible first when turning RV707 (SCREEN).

[WHITE BALANCE(Cut off)]

1. Input a all white signl.
2. Set the PIC control to minimum and set the BRT control at normal.
3. Turn RV 703 (G.DRIVE) and RV 705 (B.DRIVE) fully clockwise.
4. Adjust BKG controls for best white balance.
5. Set the PICTURE control to maximum. Observe the screen and adjust the DRIVE controls for best white balance.
6. Repeat steps 4 and 5.

SECTION 4 CIRCUIT ADJUSTMENT

4-1. A BOARD ADJUSTMENTS



RF AGC ADJUSTMENT (IF201)

1. Receive a strong off-air signals.
2. Adjust RF AGC VR control so that snow noise and cross-modulation just disappear from the picture.

A • P • C ADJUSTMENT (CV443)..... (PAL)

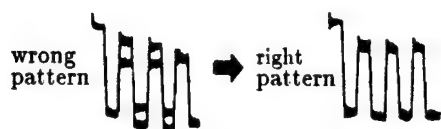
1. Short circuit between pin ④ and pin ④7 of IC301 with jumper.
2. Input the PAL color-bar signal.
3. Set the PIC, COL, and BRT controls to normal.
4. Adjust CV443 for suitable color intensity.
5. Remove a jumper.

**ANTI PAL, LINE CRAWLING ADJUSTMENT
(RV301,RV302,T301)**

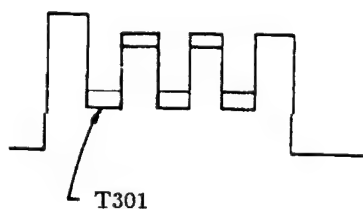
• **ANTI PAL ADJUSTMENT**

1. Input the PAL color-bar signal.
2. Set the PIC,COL and BRT controls to normal.
3. Connect the oscilloscope to pin ③ of A-1 connector.
4. Adjust RV301 (DELAY) and RV302(PHASE) to obtain the waveform as shown below.

• **LINE CRAWLING ADJUSTMENT**



1. Input the PAL color-bar signal.
2. Set the PIC,COL and BRT controls to normal.
3. Connect the oscilloscope to pin ③ of A-1 connector.
4. Adjust T301 for minimum line crawling.



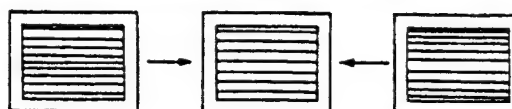
RV802 H.SIZE (HORIZONTAL SIZE)



RV503 V.SIZE (VERTICAL SIZE)



RV502 V.LIN (VERTICAL LINEARITY)



RV801 H.CENT (HORIZONTAL CENTER)



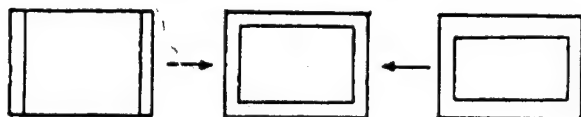
RV551 V.CENT (VERTICAL CENTER)



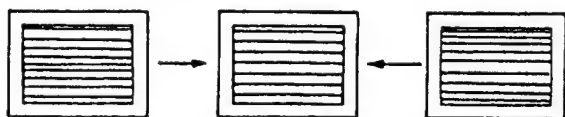
RV802 H.SIZE (HORIZONTAL SIZE)



RV503 V.SIZE (VERTICAL SIZE)



RV502 V.LIN (VERTICAL LINEARITY)



RV801 H.CENT (HORIZONTAL CENTER)



RV551 V.CENT (VERTICAL CENTER)



RV552 PIN PHASE (PINCUSHION PHASE)



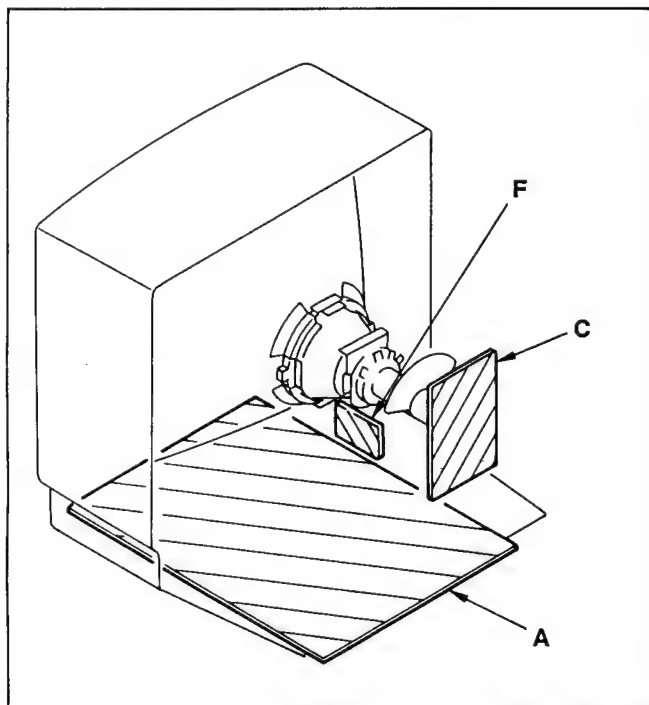
RV803 PIN AMP (PINCUSHION AMPLIFIER)



SECTION 5 DIAGRAMS

(1) 3

5-1. CIRCUIT BOARDS LOCATION



5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm
Rating electrical power $\frac{1}{4}$ W

- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth-chassis.

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: *	ADJUSTMENT RESISTOR
	: LF-8L	MICRO INDUCTOR
	: TA	TANTALUM
CAPACITOR	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR

• A BOARD WAVEFORMS





① 6.0 Vp-p (4.0MHz)	② 0.6 Vp-p (H)	③ 1.9 Vp-p (H)
④ 1.9 Vp-p (H)	⑤ PAL, NTSC 0.5 Vp-p (H)	⑥ PAL, NTSC 0.5 Vp-p (H)
⑦ PAL 0.3 Vp-p (H)	⑧ PAL 0.45 Vp-p (H)	⑨ PAL 0.6 Vp-p (H)
⑩ 0.26 Vp-p (4.43MHz)	⑪ 0.16 Vp-p (3.58MHz)	⑫ 1.5 Vp-p (H)
⑬ 2.4 Vp-p (V)	⑭ 4.0 Vp-p (H)	⑮ 2.0 Vp-p (H)
⑯ 2.4 Vp-p (V)	⑰ 4.0 Vp-p (H)	⑱ 2.0 Vp-p (H)


5-2. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:

- All capacitors are in μF unless otherwise noted. pF: μF 50 WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms. $k\Omega = 1000\Omega$, $M\Omega = 1000k\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows.



Pitch: 5 mm
Rating electrical power $\frac{1}{4} \text{ W}$

-  : nonflammable resistor.
-  : internal component.
-  : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : earth-chassis.














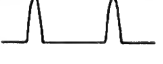











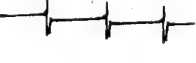
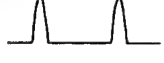


Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

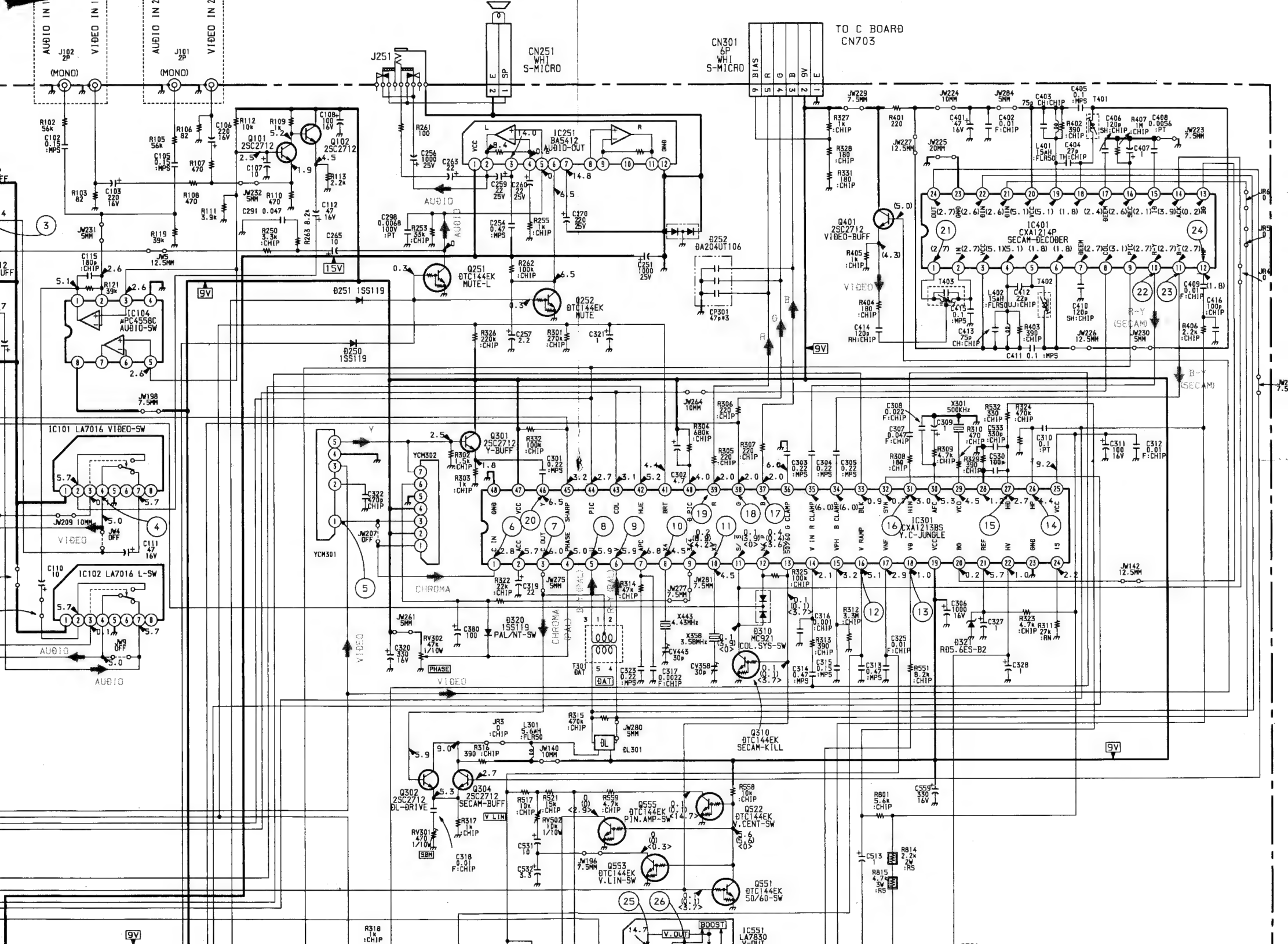
Reference information

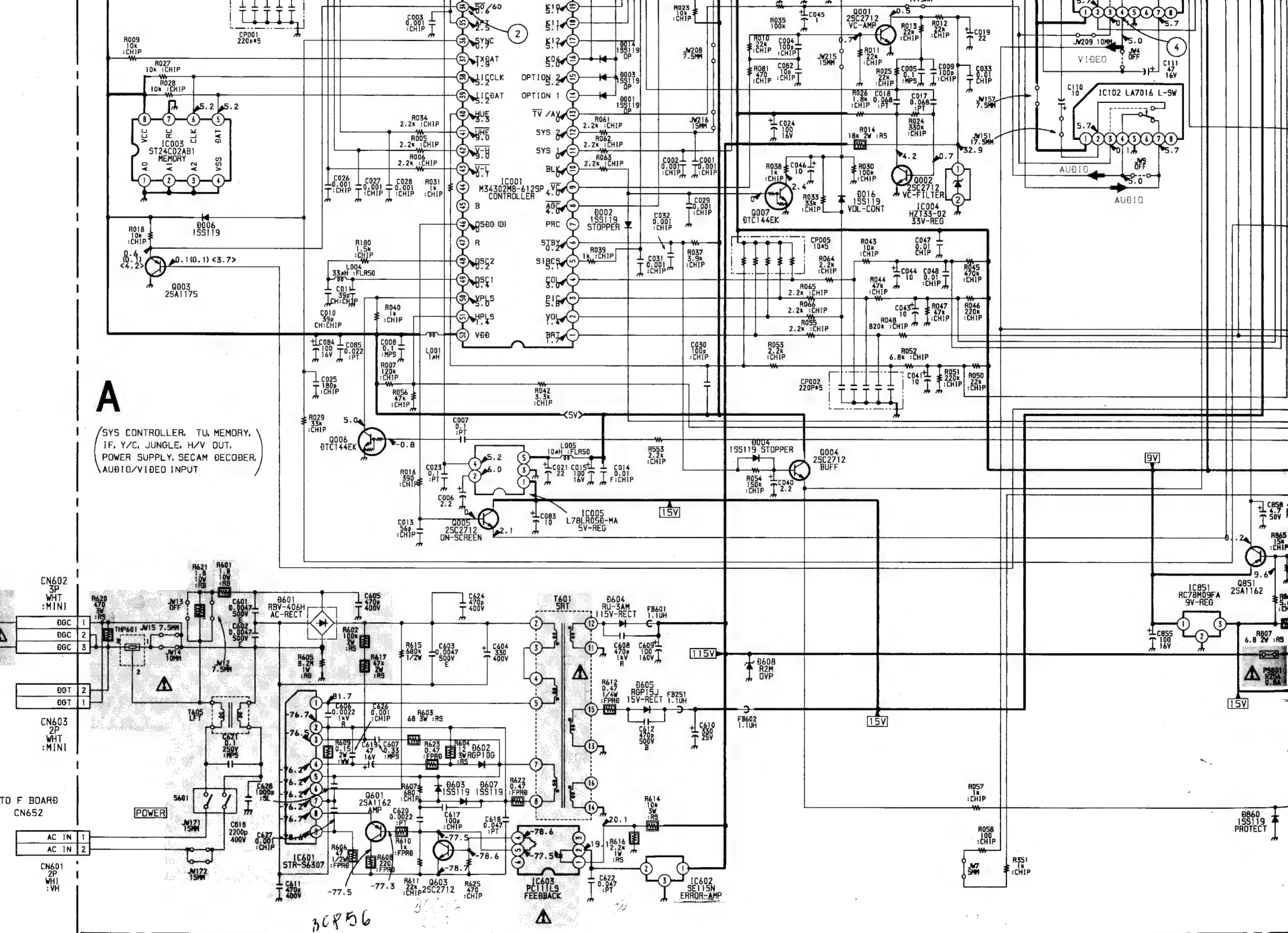
RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: ※	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

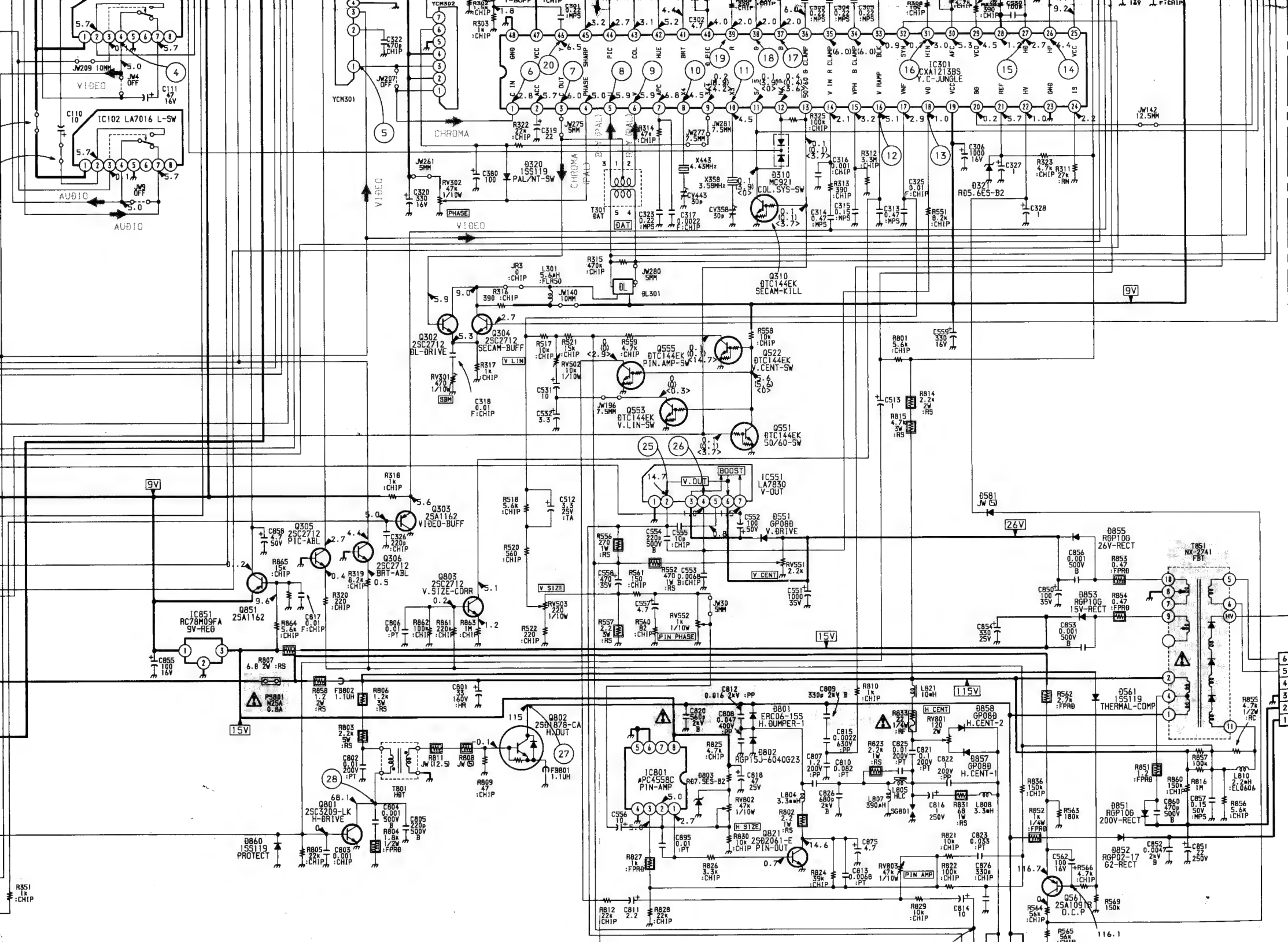
- Readings are taken with a color-bar signal input.
no mark : with PAL color-bar signal received.
() : with SECAM color-bar signal received.
< > : with NTSC3.58 color-bar signal received.
- Readings are taken with a $10M\Omega$ digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
-  : B+ bus.
-  : signal path. (RF)

• A BOARD WAVEFORMS

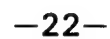
①  6.0Vp-p (4.0MHz)	②  0.6Vp-p (H)	③  1.9Vp-p (H)
④  1.9Vp-p (H)	⑤ PAL, NTSC  0.5Vp-p (H)	⑥ PAL, NTSC  0.5Vp-p (H)
⑦ PAL  0.3Vp-p (H)	⑧ PAL  0.45Vp-p (H)	⑨ PAL  0.6Vp-p (H)
⑩  0.26Vp-p (4.43MHz)	⑪  0.16Vp-p (3.58MHz)	⑫  1.5Vp-p (H)
⑬  2.4Vp-p (V)	⑭  4.0Vp-p (H)	⑮  2.0Vp-p (H)
⑯  1.8Vp-p (H)	⑰  4.0Vp-p (H)	⑱  4.0Vp-p (H)
⑲  4.0Vp-p (H)	⑳  0.9Vp-p (H)	㉑ SECAM  0.24Vp-p (H)
㉒ SECAM  1.0Vp-p (H)	㉓ SECAM  1.4Vp-p (H)	㉔ SECAM  3.3Vp-p (H)
㉕  50Vp-p (V)	㉖  1.5Vp-p (V)	㉗  900Vp-p (H)
㉘  170Vp-p (H)	㉙  10Vp-p (V)	





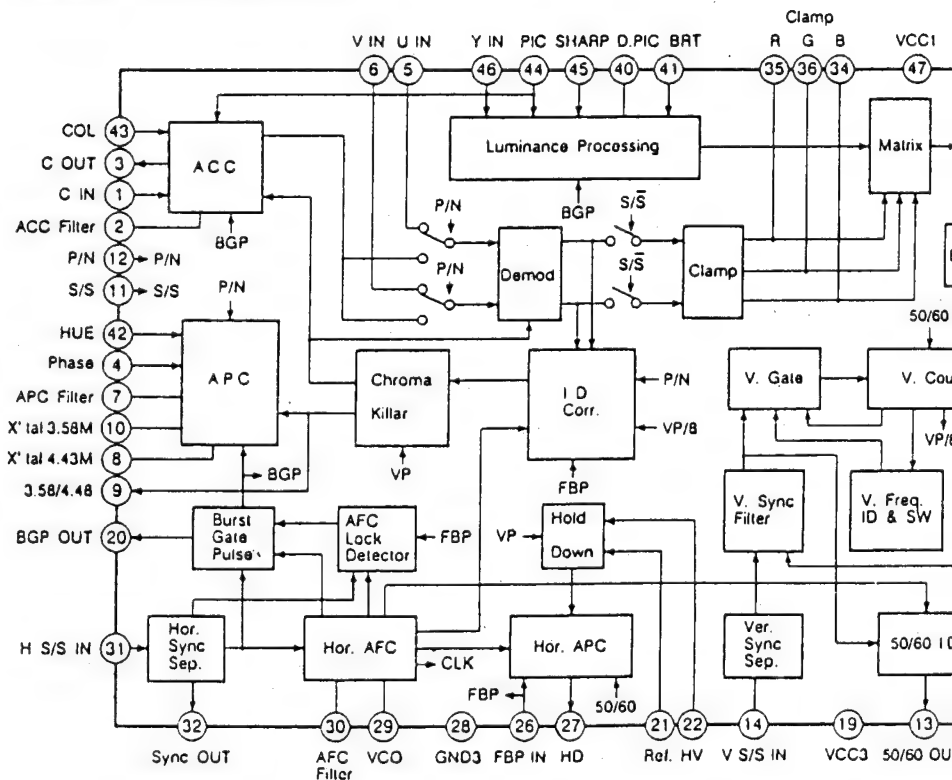


SYS CONTROLLER, TU, MEMORY, IF,
Y/C, JUNGLE, H/V OUT, POWER SUPPLY,
SECAM DECODER, AUDIO/VIDEO INPUT

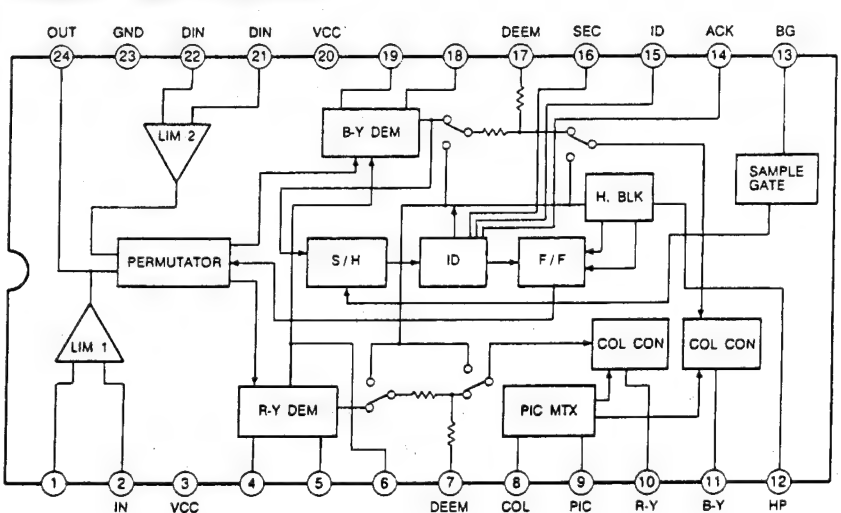


IC		DIODE		VARIABLE RESISTOR	
IC001	C-8	D001	C-9	RV301	B-6
IC002	G-10	D002	C-8	RV302	B-3
IC003	D-8	D003	C-9	RV502	E-5
IC004	B-7	D004	C-9	RV503	G-5
IC005	D-7	D005	F-10	RV551	G-4
IC101	B-1	D006	D-8	RV552	F-4
IC102	A-7	D007	E-10	RV801	E-3
IC104	A-2	D008	D-10	RV802	E-5
IC251	A-9	D009	E-10	RV803	E-5
IC301	C-5	D010	C-10		
IC401	A-3	D011	C-10		
IC551	G-5	D012	C-9		
IC601	G-6	D014	C-9		
IC602	E-6	D016	C-7		
IC603	G-5	D151	C-8		
IC801	E-4	D250	B-9		
IC851	F-5	D251	A-8		
		D252	B-9		
		D310	B-5		
		D320	B-4		
		D321	B-6		
		D551	G-4		
		D561	E-6		
		D601	C-9		
		D602	G-7		
		D603	F-6		
		D604	E-6		
		D605	E-7		
		D607	G-6		
		D608	E-6		
		D801	E-1		
		D802	D-6		
		D803	E-4		
		D851	G-3		
		D852	F-3		
		D853	G-3		
		D855	G-3		
		D857	E-3		
		D858	E-3		
		D860	D-2		
TRANSISTOR					
Q001	B-8				
Q002	B-3				
Q003	C-7				
Q004	B-9				
Q005	D-7				
Q006	C-7				
Q007	B-8				
Q101	A-1				
Q102	A-1				
Q151	C-3				
Q152	C-2				
Q153	D-3				
Q154	D-3				
Q201	B-1				
Q202	A-2				
Q251	B-8				
Q252	B-8				
Q301	C-4				
Q302	B-6				
Q303	C-3				
Q304	B-6				
Q305	C-4				
Q306	C-4				
Q310	B-5				
Q401	A-4				
Q522	E-5				
Q551	D-6				
Q553	E-5				
Q555	E-5				
Q561	D-6				
Q601	G-6				
Q603	G-6				
Q801	D-2				
Q802	E-1				
Q803	B-5				
Q821	D-4				
Q851	F-5				

A Board IC301 CXA1213BS

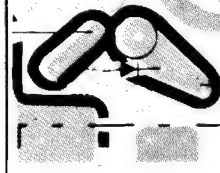


A Board IC401 CXA1214P



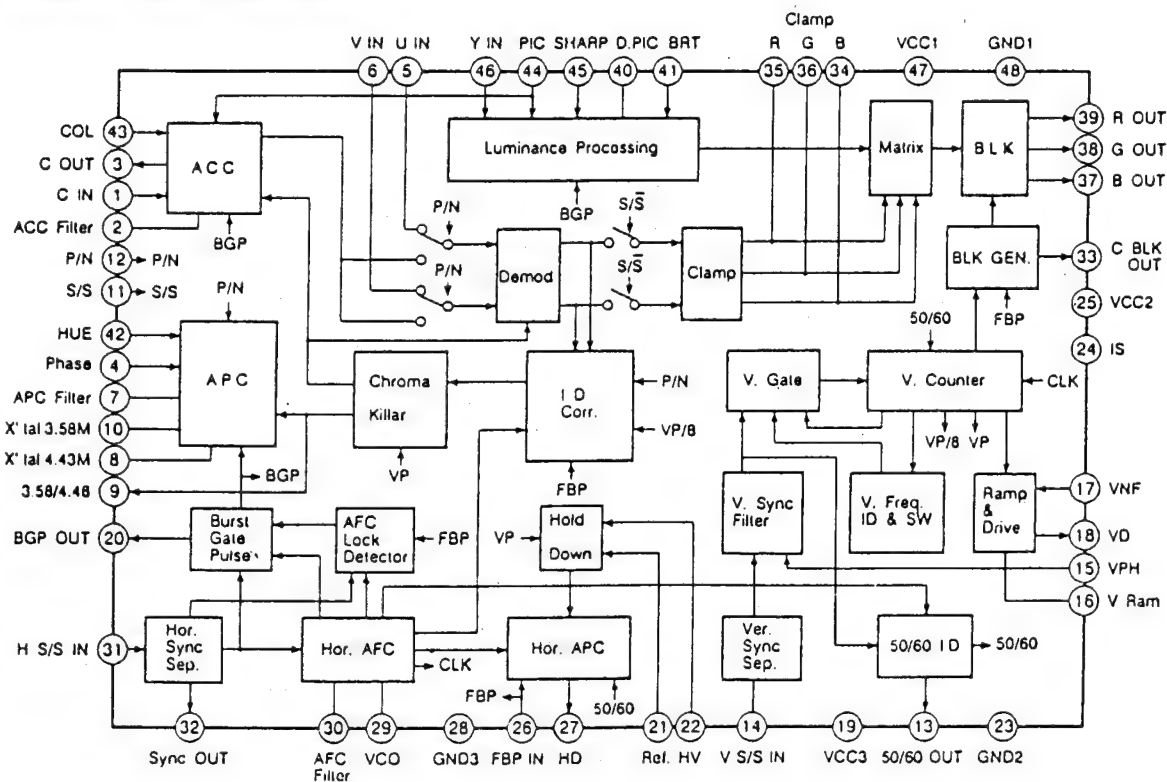
NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

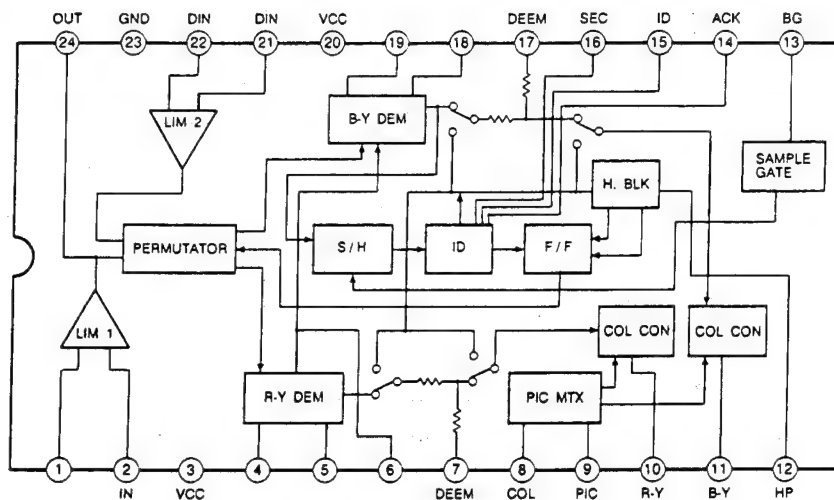


CODE	VARIABLE RESISTOR
C-9	RV301 B-6
C-8	RV302 B-3
C-9	RV502 E-5
C-9	RV503 G-5
F-10	RV551 G-4
D-8	RV552 F-4
E-10	RV801 E-3
D-10	RV802 E-5
E-10	RV803 E-5
C-10	
C-9	
C-9	
C-7	
C-8	DELAY LINE
A-2	DL301 B-4
B-9	
B-5	IF BLOCK
B-4	IF201 B-2
B-6	
G-4	
E-6	TUNER
C-9	TU151 C-1
G-7	
F-6	
E-6	
E-7	CRYSTAL
G-6	
E-6	X301 C-5
E-1	X358 B-5
D-6	X443 B-4
E-4	
G-3	
F-3	
G-3	
G-3	
E-3	
E-3	
D-2	

A Board IC301 CXA1213BS

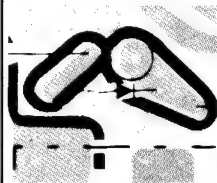


A Board IC401 CXA1214P



NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.



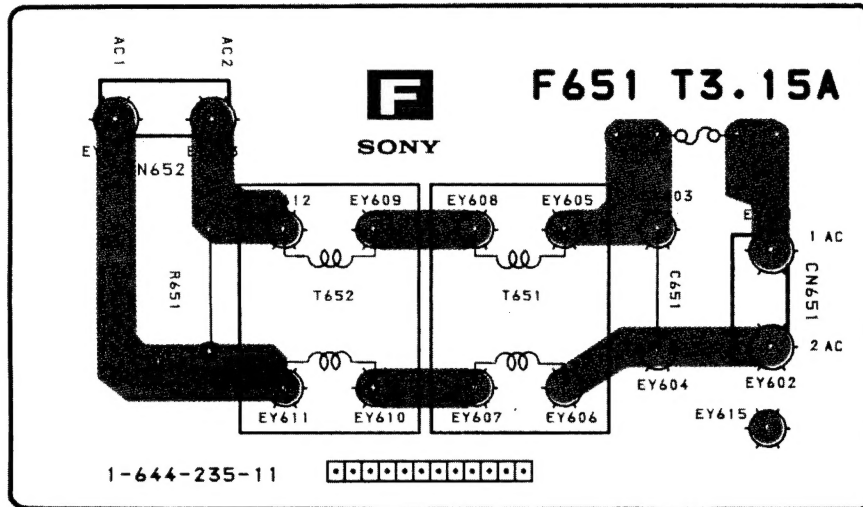
F

[AC IN]

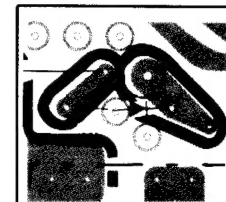
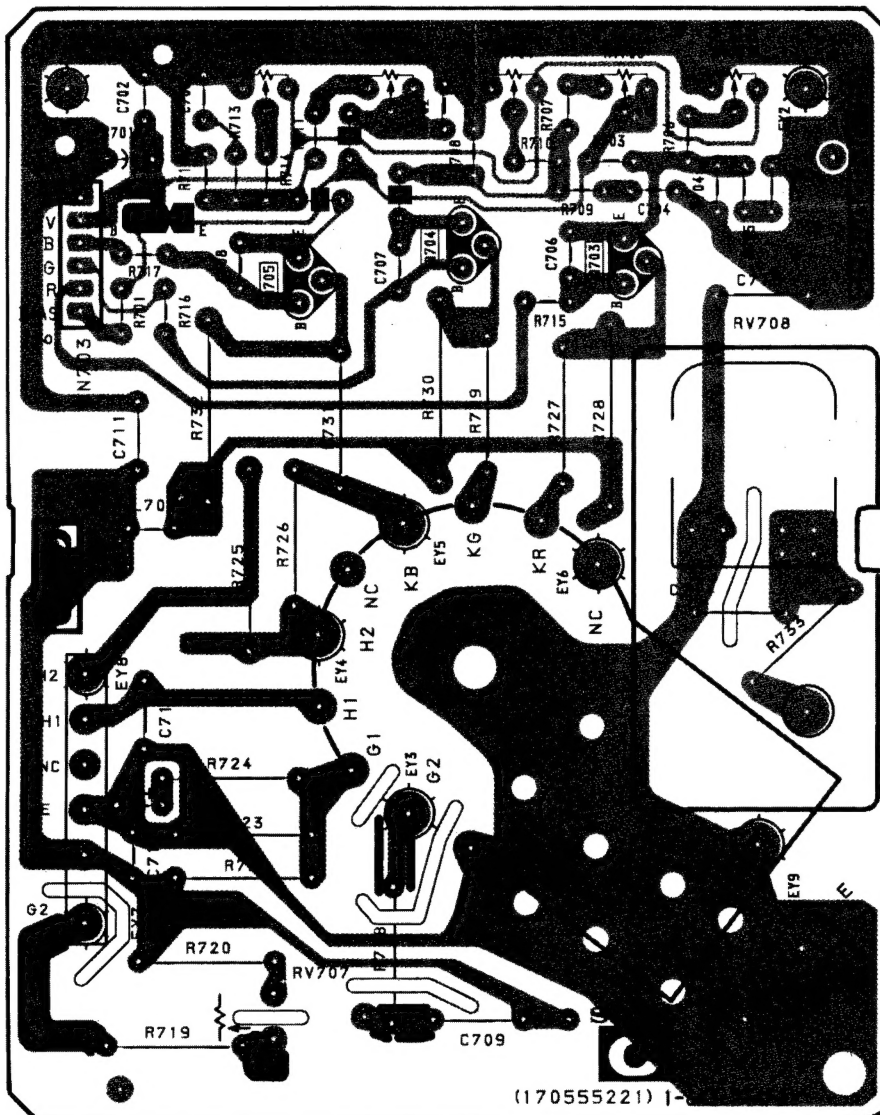
C

[R, G, B OUT]

- F Board -



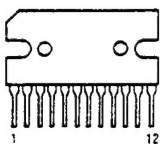
- C Board -

**NOTE:**

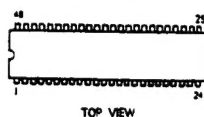
The circuit indicated
 600 Vp-p. Care must
 inspection or repairing

5-3. SEMICONDUCTORS

BA5412



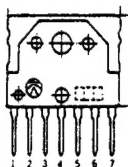
CXA1213BS



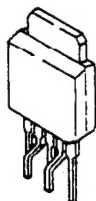
HZT33-02
 μ PC574J



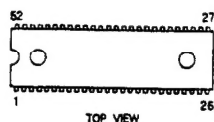
LA7830



L78LR05D-MA



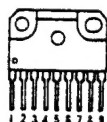
M34302M8-611SP



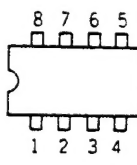
NJM78M09FA



STR-S6307

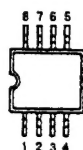


ST24C02AB1
 μ PC4558C



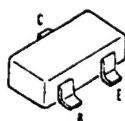
(Top view)

PC111LS



TOP VIEW

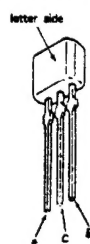
DTA114EK
DTC144EK
2SA1162-YG
2SC2712-YG



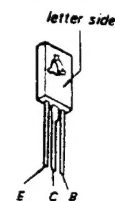
2SA1091-O
2S1091R



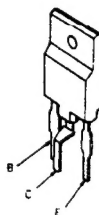
2SC2785-HFE



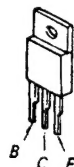
2SC3271-N



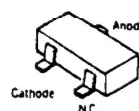
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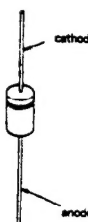
2SD2012
2SD2061-E



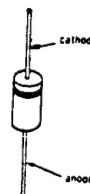
DA204U



ERC06-15S
RGP10G
RU-3AM
R2M



EGP20G
RGP02-17
RGP15J



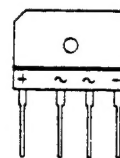
GP08D
U05G



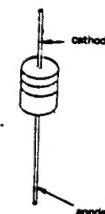
MC921



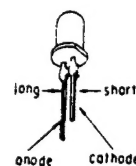
RBV-406H-01



RD5.1ES-B2
RD5.6ES-B2
RD7.5ES-B2
1SS119



SEL1222R-C



SECTION 6

EXPLODED VIEW

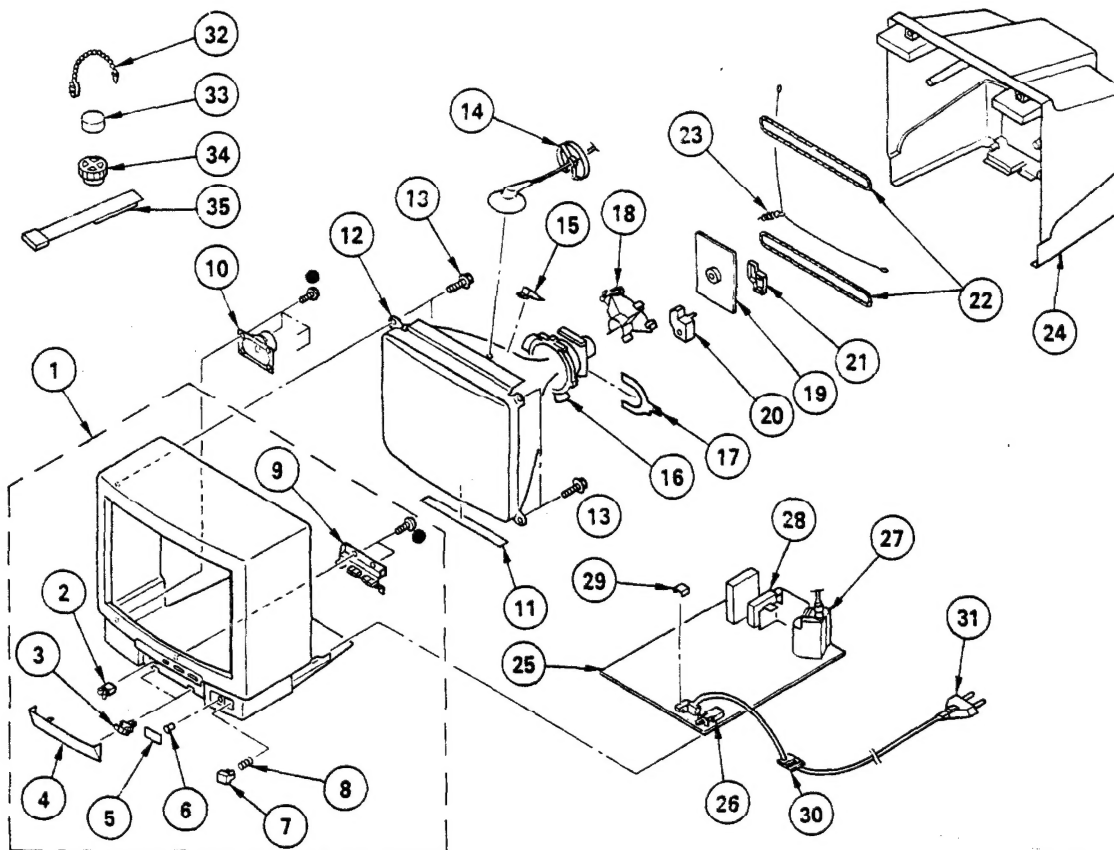
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

●: BVTP3 × 12 7-685-648-79



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4030-497-1	CABINET ASSY (WITH BEZEL ASSY) 2-9		19	*A-1331-214-A	C BOARD, COMPLETE	
2	4-392-036-01	CATCHER, PUSH		20	*4-374-912-01	COVER (MAIN), CV VOL	
3	4-032-761-01	SHAFT (S), DOOR		21	*4-374-913-01	COVER (REAR LID), CV VOL	
4	4-036-584-31	DOOR CONTROL		22	Δ 1-426-145-13	COIL, DEGAUSSING	
5	4-036-413-01	WINDOW, ORNAMENTAL		23	4-369-318-00	SPRING, TENSION	
6	*4-387-890-01	GUIDE, LIGHT		24	4-036-585-01	COVER, REAR	
7	4-036-581-01	BUTTON, POWER		25	*A-1296-969-A	A BOARD, COMPLETE	
8	4-036-405-11	SPRING, COMPRESSION		26	Δ 1-571-433-12	SWITCH, PUSH (AC POWER)	
9	4-036-582-01	BUTTON, MULTI		27	Δ 1-453-119-11	TRANSFORMER ASSY, FLYBACK (NX-2820A1)	
10	1-544-621-11	SPEAKER (9X5CM)		28	Δ 1-693-120-11	TUNER, BT (BT-RG321)	
11	4-372-556-11	SHEET, BLOTTER		29	*4-387-054-01	COVER, LED HOLDER	
12	Δ 8-735-556-05	PICTURE TUBE (A34JBU10X)		30	Δ 4-022-115-01	HOLDER, AC CORD	
13	4-365-808-01	SCREW (5), TAPPING		31	Δ 1-574-358-21	CORD, POWER (WITH CONNECTOR)	
14	*3-704-372-01	HOLDER, HV CABLE		32	4-308-870-00	CLIP, LEAD WIRE	
15	3-704-495-01	SPACER, DY		33	1-452-032-00	MAGNET, DISK; 10MM ϕ	
16	Δ 1-451-249-51	DEFLECTION YOKE (Y14NDA2)		34	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM ϕ	
17	1-452-277-00	MAGNET, BMC		35	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
18	*4-385-422-01	HOLDER, LEAD					